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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/970,477

DATE: 03/15/2002

TIME: 14:42:32

Input Set : A:\26294005US4.app

Output Set: N:\CRF3\03152002\I970477.raw

3 <110> APPLICANT: Lorincz, Attila T.  
 5 <120> TITLE OF INVENTION: ASSESSMENTS OF HUMAN PAPILLOMA VIRUS-RELATED DISEASE  
 7 <130> FILE REFERENCE: 2629-4005US4  
 9 <140> CURRENT APPLICATION NUMBER: 09/970,477  
 10 <141> CURRENT FILING DATE: 2001-10-04  
 12 <150> PRIOR APPLICATION NUMBER: U.S. 09/210,168  
 13 <151> PRIOR FILING DATE: 1998-12-11  
 15 <150> PRIOR APPLICATION NUMBER: U.S. 60/082,167  
 16 <151> PRIOR FILING DATE: 1998-04-17  
 18 <150> PRIOR APPLICATION NUMBER: U.S. 60/070,486  
 19 <151> PRIOR FILING DATE: 1998-01-05  
 21 <150> PRIOR APPLICATION NUMBER: U.S. 60/069,426  
 22 <151> PRIOR FILING DATE: 1997-12-12  
 24 <160> NUMBER OF SEQ ID NOS: 5  
 26 <170> SOFTWARE: PatentIn Ver. 2.1  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 1390  
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 39 gcaaaacgca caaaacgtgc atcggctacc caactttata aaacatgcaa acaggcaggt 180  
 40 acatgtccac ctgacattat acctaagggtt gaaggcaaaa ctattgtca acaaataatta 240  
 41 caatatggaa gtatgggtt atttttgggt gggtaggaa ttggAACAGG gtcgggtaca 300  
 42 ggcggacgca ctgggtatata tccattggga acaaggcctc ccacagctac agatacactt 360  
 43 gctcctgtaa gaccccttt aacagtagat cctgtgggcc cttctgtatcc ttctatagtt 420  
 44 tcttttagtg aagaaactag ttttattgtat gctggcgcac caacatctgt accttccatt 480  
 45 ccccccagatg tatcaggatt tagtattact acttcaactg ataccacacc tgctatatta 540  
 46 gatattataata atactgttac tactgttact acacataata atccccactt cactgaccca 600  
 47 tctgttattgc agcctccaac acctgcagaa actggagggc attttacact ttcatcatcc 660  
 48 actatttagta cacataatta tgaagaaattt cctatggata catttattgt tagcacaaac 720  
 49 cctaacaacag taacttagtag cacacccata ccagggctc gcccagtgc acgcctagga 780  
 50 ttatatagtc gcacaacaca acaggtaaa gtttagacc ctgtttttgt aaccactccc 840  
 51 actaaactta ttacatatga taatcctgca tatgaaggta tagatgtgga taatacatta 900  
 52 tatttttcta gtaatgataa tagtattaaat atagctccag atcctgactt tttggatata 960  
 53 gttgctttac ataggccagc attaacctct aggcgtactg gcatttaggtt cagtagaatt 1020  
 54 ggtataaaac aaacactacg tactcgtagt ggaaaatcta taggtgctaa ggtacattat 1080  
 55 tattatgatt taagtactat tgatcctgca gaagaaatag aattacaac tataacaccc 1140  
 56 tctacatata ctaccacttc acatgcagcc tcacctactt ctattaataa tggattatat 1200  
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58 tctacatctt tatcaggta tattcctgca aataacaaca ttcctttgg tggcatac 1320  
 59 aatattcctt tagtatcagg tcctgatata cccattaata taactgacca agctccttca 1380  
 60 ttaattccta 1390  
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 65 <212> TYPE: DNA  
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 71 <400> SEQUENCE: 2  
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 73 gtgcacgca caaacatata ttatcatgca ggaacatcca gactacttc agttggacat 120  
 74 ccctattttc ctattaaaaa acctaacaat aacaaaatata tagttcctaa agtacagga 180  
 75 ttacaataca gggtatttag aatacattt cctgacccca ataagttgg tttcctgac 240  
 76 acctcatttt ataattccaga tacacagcgg ctggtttggg cctgtgttagg tggttggat 300  
 77 ggtcgtggtc agccatttagg tggggcatt agtggccatc ctttattaaa taaattggat 360  
 78 gacacagaaa atgcttagtgc ttatgcagca aatgcaggtg tggataatag agaatgtata 420  
 79 tctatggatt acaaacaac acaattgtgt ttaattgggtt gcaaaccacc tatagggaa 480  
 80 cactggggca aaggatcccc atgtaccaat gttcagtaa atccaggtaa ttgtccacca 540  
 81 tttagagttaa taaacacagt tattcaggat ggtgatatgg ttcataactgg ctttgggtct 600  
 82 atggacttta ctacattaca ggctaacaaa agtgaagttc cactggatat ttgtacatct 660  
 83 atttgc当地 atccagatta tattaaaatg gtgtcagaac catatggcga cagttattt 720  
 84 ttttattttac gaagggaaaca aatgtttgtt agacatttat ttaatagggc tggtactgtt 780  
 85 ggtgaaaatg taccagacga ttatcattt aaaggctctg ggtctactgc aaatttagcc 840  
 86 agttcaattt atttcctac accttagtgg tctatggta cctctgatgc ccaaataattc 900  
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 88 caactattt tgactgtgt tgatactaca cgcagtaaa atatgtcatt atgtgctgcc 1020  
 89 atatctactt cagaaaactac atataaaaat actaacttta aggagtagct acgacatggg 1080  
 90 gaggaatatg atttacagtt tattttcaat ctgtcaaaa taaccttaac tgcagacgtt 1140  
 91 atgacatatac tacattctat gaattccact atttggagg actgaaattt tggtctacaa 1200  
 92 cctccccccag gaggcacact agaagatact tataggtttg taacccaggc aattgcttgc 1260  
 93 caaaaacata cacctccagc acctaaagaa gatgatcccc ttaaaaaata cacttttgg 1320  
 94 gaagtaaatt taaaggaaaa gtttctgca gacctagatc agtttcctt aggacgcaaa 1380  
 95 ttttactac aagcaggatt gaaggccaaa caaaaattta cattaggaaa acgaaaagct 1440  
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 110 gtactgcaag caacagttac tgcgacgtga ggtatatgac tttgctttc gggattttatg 180  
 111 catagtatata agagatggga atccatatgc tggatgtgtt aaatgtttaa agttttattc 240  
 112 taaaatttagt ggtatagac attattgtta tagttgtat ggaacaacat tagaacagca 300  
 113 atacaacaaa ccgttgtgtt atttggtaat taggtgtatt aactgtcaaa agccactgtg 360  
 114 tcctgaagaa aagcaaagac atctggacaa aaagcaaaga ttccataata taaggggtcg 420

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115 gtggaccggc cgatgtatgt cttgttgcag atcatcaaga acacgttagag aaacccagct 480  
 116 gtaatcatgc atggagatac acctacattt catgaatata tgtagattt gcaaccagag 540  
 117 acaactgatc tctactgtta tgagcaatata aatgacagct cagaggagga ggtgaaata 600  
 118 gatggtccag ctggacaaggc agaaccggac agagccattt acaatattgt aacctttgt 660  
 119 tgcaagtgtg actctacgct tcgggtgtc gtacaaagca cacacgtaga cattcgact 720  
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 134 gaaacacatg cgcctagaat gtgctattt ttacaaggcc agagaaatgg gatttaaaca 180  
 135 tattaaccac caagtggtgc caacactggc tgtatcaaag aataaagcat tacaagcaat 240  
 136 tgaactgcaa ctaacgttag aaacaatata taactcacaa tatacgtatg aaaagtggac 300  
 137 attacaagac gtttagcctt aagtgtattt aactgcacca acaggatgt taaaaaaaaaca 360  
 138 tggatataca gtggaaagtgc agtttgatgg agacatatgc aatacaatgc attatacaaa 420  
 139 ctggacacat atatatattt gtgaagaagc atcagtaact gtggtagagg gtcaagttga 480  
 140 ctattatggt ttatattatg ttcatgaagg aatacgaaca tattttgtc agttaaaga 540  
 141 tgatgcagaa aaatataatgta aaaataaaatg atggaaagtt catgcgggtg gtcaggtat 600  
 142 attatgtcct acatctgtt ttagcagcaa cgaagtatcc tctcctgaaa ttattaggca 660  
 143 gcacttggcc aaccaccccg ccgcgaccca taccaaagcc gtcgccttgg gcaccgaaga 720  
 144 aacacagacg actatccacg gaccaagatc agagccagac accggaaacc cctgccacac 780  
 145 cactaagttt ttgcacagag actcagtggc cagtgccttca atcctcactg catttaacag 840  
 146 ctcacacaaa ggacggattt actgtatag taacactaca cccatagtagt attaaaagg 900  
 147 tgatgcataat actttaaaat gtttaagata tagattttaa aagcattgtt cattgtatac 960  
 148 tgcagtgtcg tctacatggc attggacagg acataatgtt aaacataaaa gtgcaattgt 1020  
 149 tacacttaca tatgtatgtt aatggcaacg tgaccaattt ttgtctcaag ttaaaaatacc 1080  
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 164 cgactatcca gcgaccaaga tcagagccag acaccggaa cccctgccac accactaagt 180  
 165 tggcacttgc agactcgtt gacagtgcctc caatcctcac tgcatttaac agtcacaca 240  
 166 aaggacggat taactgtat ag 262

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